

HAGERMAN NATIONAL FISH HATCHERY

Fiscal Year 2011

Summary of Operations and Expenditures



Working Collaboratively to Ensure Viable Populations of Fish for the Future



INTRODUCTION

The Hagerman National Fish Hatchery (Hatchery) is located along the Snake River, about 30 miles west of Twin Falls, Idaho at a point three miles south and two miles east of Hagerman, Idaho. The Hatchery was authorized by 46 Stat, 371 on May 21, 1930 and was established in 1932. Construction of the physical facilities commenced in 1932; fish production began in 1933. The primary goal of the Hatchery, at that time, was the production of rainbow trout for stocking in Idaho, eastern Oregon, and northern Nevada.

In the late 1970s the Hatchery became part of the Lower Snake River Compensation Plan (LSRCP) which was authorized by the Water Resources Development Act of 1976, Public Law 94-587. The LSRCP is designed to mitigate for fish and wildlife losses caused by the construction of four dams on the lower Snake River. For its part in the LSRCP program, the Hatchery's primary production goal was changed from resident rainbow trout to steelhead trout. The Hatchery was extensively remodeled during 1984 to accommodate this change.

There are 78 outside raceways at the Hatchery. Of these, 66 are devoted to LSRCP steelhead production and 12 are reserved for other programs which the Fish and Wildlife Service (Service) deems appropriate. During Fiscal Year (FY) 2011, rainbow trout for the Dworshak Reservoir Mitigation program were reared in these raceways. Other major facilities include two hatchery-rearing buildings with a total of 60 rearing tanks, a water chiller building, an administration-visitor facility building, a combination shop/four-stall garage, four residences, a flammable storage building, and three general storage buildings.

The Hatchery's water supply emanates from the Eastern Snake Plain Aquifer via a complex of springs at a constant 59 degrees Fahrenheit with a flow rate of approximately 30,000 gallons per minute.

Located adjacent to the Hatchery is the Hagerman Fish Culture Experiment Station (HFCES). This research facility is owned and operated by the University of Idaho. The water rights and diversions for this facility are owned by the Fish and Wildlife Service and administered through the Hatchery.

STATION OPERATIONS

The LSRCP established a mitigation goal for the Hatchery program of 13,600 adult steelhead returning above Lower Granite Dam. However, within the framework of the LSRCP, specific objectives and tasks for the Hatchery's steelhead production program are established through a high degree of interagency coordination. Results of this coordination affect certain aspects of the program such as total number and strain reared, time and size at release, and location of release. During FY 2011, the LSRCP office coordinated the Salmon River Annual Operating Plan with the Idaho Department of Fish and Game (IDFG), the Shoshone/Bannock Tribes, and the Nez Pierce Tribe. This planning process is used to accomplish and document the Hatchery's steelhead production program.

The Hatchery also produces rainbow trout for the Dworshak Reservoir Mitigation program as an in-kind exchange with the IDFG. The trout are released into southern Idaho reservoirs; fish reared at the IDFG Nampa State Fish Hatchery are released into Dworshak Reservoir. The program calls for releasing sub-catchable trout in the spring and catchable trout in the fall. The Hatchery conducts relevant coordination on this program directly with the IDFG resident trout programmatic staff.

FISH CULTURE OPERATIONS

Pertinent fish rearing information for all species held on station during FY 2011 is presented in Table 1.

Steelhead

Target steelhead smolt production Hagerman National Fish Hatchery, BY10-11

Release Site	Stock	Total Smolts	
		BY2010	BY2011
East Fork Salmon R. Weir	East Fork Natural	170,000	170,000
Sawtooth Weir	Sawtooth A	750,000	750,000
Yankee Fork	Sawtooth A	440,000	440,000
Total		1,360,000	1,360,000

Brood Year (BY) 2011 Steelhead

Water available to the Steelhead Raceways during peak steelhead production ranged between 58 to 61 cfs from February to April 2011 which was similar to 2010 (Figure 1). However, given the 10-year declining water supply trend and recent fish health issues, the Hatchery maintained the 100,000 smolt cut in production from BY2010 into BY2011 to compensate for the longer term trend of declining water supply.

In conjunction with the 100,000 smolt cut to production, the Hatchery also shut off three raceways, one on each deck, in BY2011. The Hatchery will be able to maintain a density index of 0.2 with the production cut and will be able to shift additional water to the raceways in production to maintain a more desirable flow index of approximately 1.2.

The Hatchery purchased an autogenous vaccine for furunculosis for BY2011 fish. Bacteria collected from furunculosis outbreaks in Brood Year 2010 at the Hatchery were used to produce this vaccine. Fish were vaccinated once they reached 400 fish per pound (fpp). They were also given a booster vaccination when they reached 200 fpp. It is our hope that this vaccination will prevent future outbreaks and reduce the need for medicated fish food resulting in improved fish health.



As of January 2012, BY2011 steelhead survival has been maintained at over 97%. All fish health analysis conducted by the Idaho Fish Health Center (IFHC) indicated the presence of gas bubbles in gills and tissue. Nitrogen saturation levels have historically been high according to archived water quality records. It is the opinion of the Hatchery, IFHC, and IDFG Fish Health staff members that this nitrogen super-saturation issue has been contributing to a “stressed state”. We believe this stress has been making the steelhead and rainbow trout susceptible to many of the outbreaks in past years.

Marking

The Pacific States Marine Fisheries Commission (PSMFC) marking crew ad clipped and coded-wire tagged the steelhead fingerlings August 15-22th and August 18-Sept9th (10-01-74 code for SAW stock; 10-01-61, 10-01-60, 10-01-57, and 10-72-53 codes for EFH stock; 10-01-76 for YF stock). The Hatchery agreed to a request from PSMFC to delay marking one week due to their need to mark fish at an adjacent state hatchery. Overall, marking went very well; however, there were some issues with PSMFC staffing the two Mass Automated Tagging System (MATS) trailers that were on station. Initially marking started with four crews operating two trailers. After the first day, PSMFC cut back to two crews operating only one trailer at a time for the remainder of the marking. The reduced marking capacity brought about by operating only one trailer resulted in the Hatchery extending marking by an additional week. Due to the fact that our marking is scheduled to coincide with moving fish from indoor nursery tanks to outdoor rearing tanks, the delay resulted in higher densities and flow indices than desired. The density index on the Sawtooth stock reached 0.55 while the flow index was 1.25. The reduction in staffing the trailers was seen by other hatcheries as well and has been addressed in the annual “post marking meeting”. PSMFC has decided that the problem can be remedied by hiring California operators to assist with trailer operation during this timeframe. Inventory numbers were adjusted to match final marking numbers.

Summary of marking by Stock:

<i>Stock</i>	<i>AD CLIP</i>	<i>AD/CWT</i>	<i>UNCLIPPED</i>	<i>CWT/NO CLIP</i>	<i>PIT Tags</i>
Sawtooth	671,191	87,790	----	----	13,500
Yankee Fork	141,869	89,727	232,067	----	8,100
East Fork Naturals	----	----	----	197,897	7,100

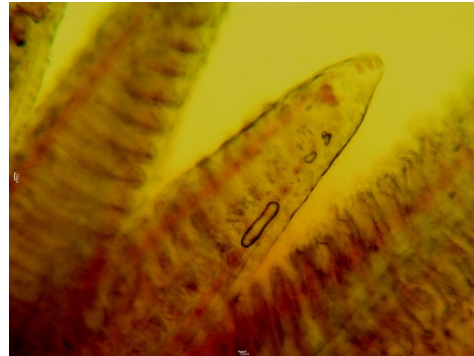
Brood Year 2010 Steelhead

The steelhead broke in February with a similar skin sloughing issue as observed during Brood Year 2009. Similar to last year, smolts exhibited a bluish haze around the dorsal and adipose fin areas followed by skin sloughing and exposure of underlying muscle.

Smolts with skin sloughed lesions were preserved and sent to the IFHC for histology diagnostics. Results from those diagnostics ruled out steatitis, but confirmed sunburn. Samples from feed

delivered to the Hatchery in January were sent to Abernathy Fish Technology Center for rancidity, vitamin E, and niacin analysis; all results were within acceptable levels.

Doug Ramsey, Rangen Aquaculture Research Center, stopped by the Hatchery and sampled a few smolts with the skin sloughed lesions. His diagnostics found a large amount of gas bubbles in the gills and cold water disease.



The Hatchery dealt with these disease outbreaks and sporadic elevated mortality levels throughout BY2010 with a treatment of antibiotics and several chemical treatments. Furunculosis outbreaks were treated with Aquaflor® station wide from 2/26/2011 thru 03/07/2011. Additional potassium permanganate treatments for gill disease, columnaris, and problems associated with steatitis were administered in February and March in 15 different raceways over 24 treatment days.

Marking

The PSMFC crew PIT tagged 29,000 steelhead on November 15-18th. The crew lost a day of tagging due to the discovery that PIT tags purchased this season from Biomark® were not recognized by the P3 software used for PTAGIS. Fishery Managers agreed to use the tags at Hagerman and develop a software patch to address the issue of incompatibility.

The Hatchery Evaluation Team (HET) completed one study with BY2010 Steelhead:

Indoor Feeding

The Hatchery Review Team (HRT) recommended installing shade covers over the raceways at the Hatchery (Recommendation HA10). The HRT believes the lack of shade covers over the raceways increase fish crowding, potentially increasing stress and disease risks to steelhead juveniles. Dorsal fin erosion has commonly been associated with lack of shade covers. However, based on observations made at the Hatchery and past published literature, the most practical option for reducing dorsal fin erosion may be to reduce aggression by increasing feeding rates during the period of the production cycle when soreback is most prevalent (September to December). To assess benefits of shading, the Hatchery compared fin indices of fish grown indoors at restricted and satiated diets in 2x2' tanks in the Hatchery 2 building. Fish reared indoors on a HC diet had a dorsal fin index (DFI) of 3.9 which was statistically the same

as those reared outdoors which had a DFI of 2.8. Fish fed to satiation indoors had a DFI of 5.1 which was significantly higher than those reared outdoors. This study further confirms that aggressive behavior caused by restricted feeding has a greater effect on DFI than exposure to sunlight. Further details about this study can be found at the Hatchery's website at the following link:
<http://www.fws.gov/hagerman/documents/HET/Indoor%20Feeding%20Trial%20Final.pdf>



Smolt fed a restricted diet indoors in an isolated tank →



PIT Tag Array system

PIT Array

For a second year in a row, the Hatchery, in conjunction with the IDFG, Research Division, continued to track PIT tagged fish loaded onto the Fish Transport trucks. This is accomplished using an array consisting of four antennas placed on the intake hose of the fish pump. The array calculated efficiency values from 91-99%. Efficiency of the array is affected by the number of tagged fish per raceway and the rate fish are crowded into the pump.

Brood Year 2010 Steelhead Distribution

Table 3 contains steelhead distribution data. The Hatchery hauled steelhead from April 13, 2011 to May 17, 2011. The Hatchery completed steelhead distribution on May 17th. The unseasonably cold and snowy weather disrupted transport to the Sawtooth FH weir one day. At the request of the IDFG, the Hatchery postponed the fish haul for May 2nd due to concerns of cold water temperatures in the East Fork Salmon River. Hauling to the East Fork Weir was from May 3rd to May 5th, with river temperatures at release averaging 48°F. The remainder of Brood Year 2010 distribution went to the Yankee Fork where water temperatures averaged 38°F in the release pond.

Rainbow Trout

Brood Year 2011 Rainbow Trout

The Hatchery released 85,226 (13 fpp, 5.5") spring fingerling rainbow trout to the Little Camas Reservoir on June 1 and June 2, 2011. Spring stocking was postponed from the end of May to the first week of June at the request of IDFG to avoid the onslaught of Memorial Day anglers. The Hatchery was below the release goal of 90K fingerlings because of poor hatching success (88%).

The rainbow trout were diagnosed with gas bubbles and columnaris by the IFHC in September. These fish were treated with a potassium permanganate treatment as recommended by the IFHC. During the outbreak/treatment period, mortality levels reached up to 1.2% per raceway per day. Following the treatment, mortality levels dropped to 0.03% per raceway per day.

Brood Year 2010 Rainbow Trout

The Hatchery released 15,631 (2.8 fpp, 9.1”) rainbow trout to Arrowrock Reservoir on October 4, 2010. Hagerman State Fish Hatchery hauled and released these fish for the Hatchery because our distribution trucks are too large to make it down the rural roads to that release site. The Hatchery also released 25,748 (2.5fpp, 9.5”) rainbow trout in Chesterfield Reservoir (3 trips) from October 5th to October 7th. Overall, the trout hauling went extremely well with few hauling mortalities. The Hatchery retained approximately 200 pounds of rainbow trout for outreach purposes including a fish dissection class for Filer Elementary in partnership with the National Park Service and Idaho Parks and Recreation. In January, the Hatchery coordinated with IDFG to release 200 remaining 14.7” trout in to the Filer Fishing ponds.

Hatchery Practices

Hatchery Water Supply, Water Quality, & Water Rights

The Brailsford Ditch Company (BDA) did not call for water until May of 2011. At this time the Hatchery had completed steelhead distribution. Last year the hatchery implemented a 1997 water management agreement between the Hatchery and the BDA. The agreement allows the Hatchery to divert water from this spring, out of priority during the irrigation season, as long as water (10cfs) is pumped back to the BDA pipeline. 2010 was the first time the pumpback system was operated continuously under the agreement since its installation ten years ago. The Hatchery operated in this mode for 36 days resulting in an electricity cost of \$4,600.

The Hatchery continues to monitor dissolved oxygen, total gas saturation, ammonia, and total nitrate in addition to water quality sampling for the NPDES permit.

FISCAL OPERATIONS

Personnel

The Hatchery experienced several personnel changes this year. In March, Assistant Project Leader Nate Wiese and family departed for Orofino, Idaho. Nate will be working as the Assistant Project Leader at Dworshak National Fish Hatchery. During Nate’s tenure, the Hatchery made great strides in its Outreach and Hatchery Evaluation efforts. During this position vacancy, our Fish Biologist, Jeremy Trimpey, served a 120 day detail to fill his shoes.



In July the Hatchery hired Bob Turik from the IDFG Nampa Fish Hatchery. He served at three IDFG hatcheries for 20 years with the last 5 as the Assistant Manager at Nampa Hatchery.



Additionally, Bryan Kenworthy, Project Leader, retired in September after 37 years in Service. The Hatchery hosted Bryan's retirement party which was well attended by friends and family of the Hatchery. Bryan strove for excellence in his career and saw much change during his time at Hagerman. We all wish him a happy retirement and want to congratulate him on long and dedicated career with the Service.



Fisheries Assistant Region Director Mike Carrier with retiring Project Leader Bryan Kenworthy

Through all of our personnel changes we also experienced turnover of our temporary employee position. Andy Eiman returned as our seasonal Animal Caretaker but resigned early to take full-time employment in Alaska. We were able to find a replacement



with Andrew Varhley who worked until August. We also utilized Wayne Hamilton, Animal Caretaker, who detailed for one month from the Dworshak National Fish Hatchery. Wayne's time was invaluable during our "time-of-need" with his experience and consistent work ethics while we made all these transitions.



Table 5 provides a summary of staffing for the Hatchery for FY 2011.

Training

Table 6 provides a summary of training received by the Hatchery employees during FY 2011.

Fiscal Data

The end of Fiscal Year 2011 marked a major change in financial process with the deployment preparations of the Financial Business Management System (FBMS) which is being adopted by the Department of Interior. FBMS promises to bring uniformity among all agency business practices and create transparency in our reporting activities. The Fish and Wildlife Service brought reimbursable finances to a close on September 16, 2011 creating blinders for monitoring year-end balances. Table 7 presents an itemization of Hatchery expenditures for FY 2011.

FACILITIES MAINTENANCE AND CAPITAL OUTLAY

Safety Handrails on Steelhead Raceways

The Hatchery received two Notices of Unsafe Working Conditions. The first was for not guarding every flight of stairs having four or more risers with standard stair railings (29 CFR 1910.23 (d) (1)). The second notice was a repeat violation for not guarding open sided floors and/or platforms four feet or more above the adjacent ground level with railings (29 CFR 1910.23(c)(1)).

In September new handrails were installed on the tops and bottoms of each deck in the Steelhead raceways. These handrails will provide an added safety measure for our employees and the public. The stairs are not being utilized until further safety measures are put in place.



Before



After

Cleanup of Hatch #1

A vendor worked on the old Hatchery Building #1 retaining wall to remove PCBs, block-fill, and paint. The process involved the application of a caustic paste to the painted surface which was then covered. After 24 to 48 hours the covering, paste, and paint were removed and placed into containers for disposal. Several applications were required to remove the 60 some years of paint layers



Also related to the Old Hatchery 1 construction demolition was the issue of an approximate 2,500 cubic yards of wood and concrete demolition debris that was disposed of by a contractor in a ravine on private property in around June 2006. It was later determined that the hatchery building debris contained lead-based paint and polychlorinated

biphenyl's. A contractor completed a Preliminary Inspection and Site Inspection (PA/SI) at the debris site near Hagerman to determine if the site poses any threat to human health or the environment. Several options are under consideration and the clean-up project is currently awaiting approval for funding through the DOI Central Hazmat Fund. Region 1 is overseeing the project.



After 30 years of service the Chiller system recirculation pump, floats, and antiquated electrical system was updated with a new energy efficient, employee friendly Variable Frequency Drive motor and stainless steel pump. This new system is very automated with sensors for water level and water temperature and is programmable. This will cut employee time spent watching temperature during fish distribution of three to six hours down to two hours. The 15 horsepower pump also cut the truck fill time from twenty minutes to twelve minutes which will also reduce employee time during fish distribution.

OUTREACH/PARTNERSHIPS



The Hatchery continues its partnership with the Hagerman Fossil Beds National Monument, NPS and the Thousand Springs State Park under our “*Connect Students With Hagerman Resources*” program. Several school districts make Hagerman an annual field trip which offers an outdoor educational experience of paleontology, geography, Idaho and Oregon Trail history, aquaculture, and conservation.

← *H.A.W.K. Program*

Anna Ray, Fisheries Program Assistant, attended the Southern Idaho Tourism Open House held at the Twin Falls Shilo Inn. This annual event educates local businesses regarding tourism opportunities available in Southern Idaho. The Open House reconnected business leaders with the Hatchery’s mission and demonstrated unity among the state and federal cooperators in our area.





Sammy the Salmon and Distribution Truck in Hagerman Fossil Days Parade



Hot Rods at the Hatchery during the Annual "Blast on the Grass Car Show" in Hagerman

The Hatchery participated in numerous CPWN activities in FY 2011. Hatchery staff and volunteers worked 302 hours towards CPWN activities reaching over 4,582 individuals. This was an increase of 60 hours and over 800 people from last year which is a continued increase from FY2010 and prior year activities.

Our cooperative agreement with the College of Southern Idaho and the Idaho Aquaculture Association continues to provide an internship every year to a student enrolled in the Aquaculture program at the college. Miles Mullenix completed his studies and Sean Ackley took his place. Students work weekends around their academic schedules and are allowed to work summers and holidays to accumulate experience in their field of study. Students receive compensation through the college for their work and the Hatchery allows students to reside in the old dorm to help compensate the expense of driving.

Volunteers

Our outreach success could not be accomplished without our 14 volunteers who helped with various activities throughout the year. The largest contributor was Jennifer Hamilton who began her volunteer hours as a part of her Master of Arts Liberal Science Museum Studies program under the University of Oklahoma. Jeni worked to update our Environmental Education bins by creating improved study guides and activities that meet Idaho Content Standards for education. Additionally, she assisted in creating brochures and rack cards as well as representing the Hatchery at several venues.



Hatchery Hosts

The Volunteer Host program was again unsuccessful for the summer. We had arranged for a couple who were in route until medical needs cancelled their plans. The Hatchery will continue

to pursue volunteer hosts for summer FY2012 utilizing the “Volunteer Reimbursement Guidance” memorandum dated August 25, 2009 and FWS /ANRS-VSC/041990.

Coordination

The Hatchery assisted Frank Edelmann, Hagerman WMA Coordinator, and several other IDFG staff members in the Bickel Ditch renovation project. The first step was removal of trees and debris from along the ditch bank. The Hatchery has not been able to divert the full amount of water (8cfs) for the WMA due to the deteriorated condition of the ditch.



Bever Brush Chipper Safety Demo



Now, what to do with all these wood chips!

The Hatchery hosted a Hagerman Wildlife Management Area (WMA) Coordination Meeting organized by Frank Edelmann, IDFG Hagerman WMA Coordinator. The meeting strengthened coordination between the Hatchery and IDFG on management of the Service-owned lands which are part of the Hagerman WMA. The meeting also addressed the Waste Disposal Plan for fish waste applications on the WMA, cooperative clean-up and carp removal at Oster Lake #1, a standardized sign plan for the Hagerman WMA, and a review of the No Hunting/Shooting safety zones.

Brian Clifford, Motor Vehicle Operator, assisted IDFG in starting the construction of new parking area for the Hagerman Wildlife Management Area just outside the Hatchery’s main entrance gate. This parking area will make the WMA more user friendly and get rid of user pioneered roads so the area can be restored for wildlife.



Other Items of Interest

Fish Waste Recycle Program

The Hatchery has developed a fish waste recycle program. This program takes fish waste recovered during cleaning of the settling ponds and stores it on the station refuse area. The waste is mixed with grass and “turned” every month to create compost suitable for spreading on hatchery grounds. This program has created a safe, effective, and free source of fertilizer to help maintain healthy lawns on the facility.



Hatchery Tank Resurfacing

Brian Clifford, Motor Vehicle Operator, completed application of an epoxy coating on one tank in Hatchery #2. The tank coating project was a four stage process: prep work, filling voids with crack sealer, coating bare concrete with block filler, and finally applying two topcoats of epoxy. The project was slowed by cold weather, but the finished product looks good. There were some minor chipping issues and further evaluation will determine if we will proceed with this product.

Brian Clifford and Chris Starr inspect the coated tank →



Riley Lake Cleanup



The Hatchery removed brush from the Riley Lake levee to reduce the habitat for predator and pathogen bearing vermin which travel between Riley Creek and the Hagerman Fish Culture Experiment Station Raceways. This project was one of several projects aimed at preventing another epizootic of Furunculosis in BY2011.

Safety Training

The Hatchery crew along with the Hagerman State Fish Hatchery (IDFG) crew received CPR, AED, and First Aid training for adults.



Oster Lake Cleanup

Oster Lake #1 was completely drained for carp and trash removal. Staff from the Hatchery, IDFG, Boy Scout Troop 107, and local volunteers assisted with the clean-up project. Several hundred carp were removed and over 2,000 lbs of trash was picked up! Brush and trees were removed to improve access to fishing holes. A fish barrier was installed on the lake outlet to prevent carp from re-entering the lake.



← *Nate Weise, Assist.
Project. Leader*

*Sean Ackley, CSI
Student Intern* →



Employee Recognition

Anna Ray, Fisheries Program Assistant, and Eric Willet, Motor Vehicle Operator, received certificates and pins for length of service. Anna has been with the Fish and Wildlife Service for 10 years and Eric for 20 years.





Hagerman National Fish Hatchery Monthly Average Spring Flow, 1999-2011 (cfs)

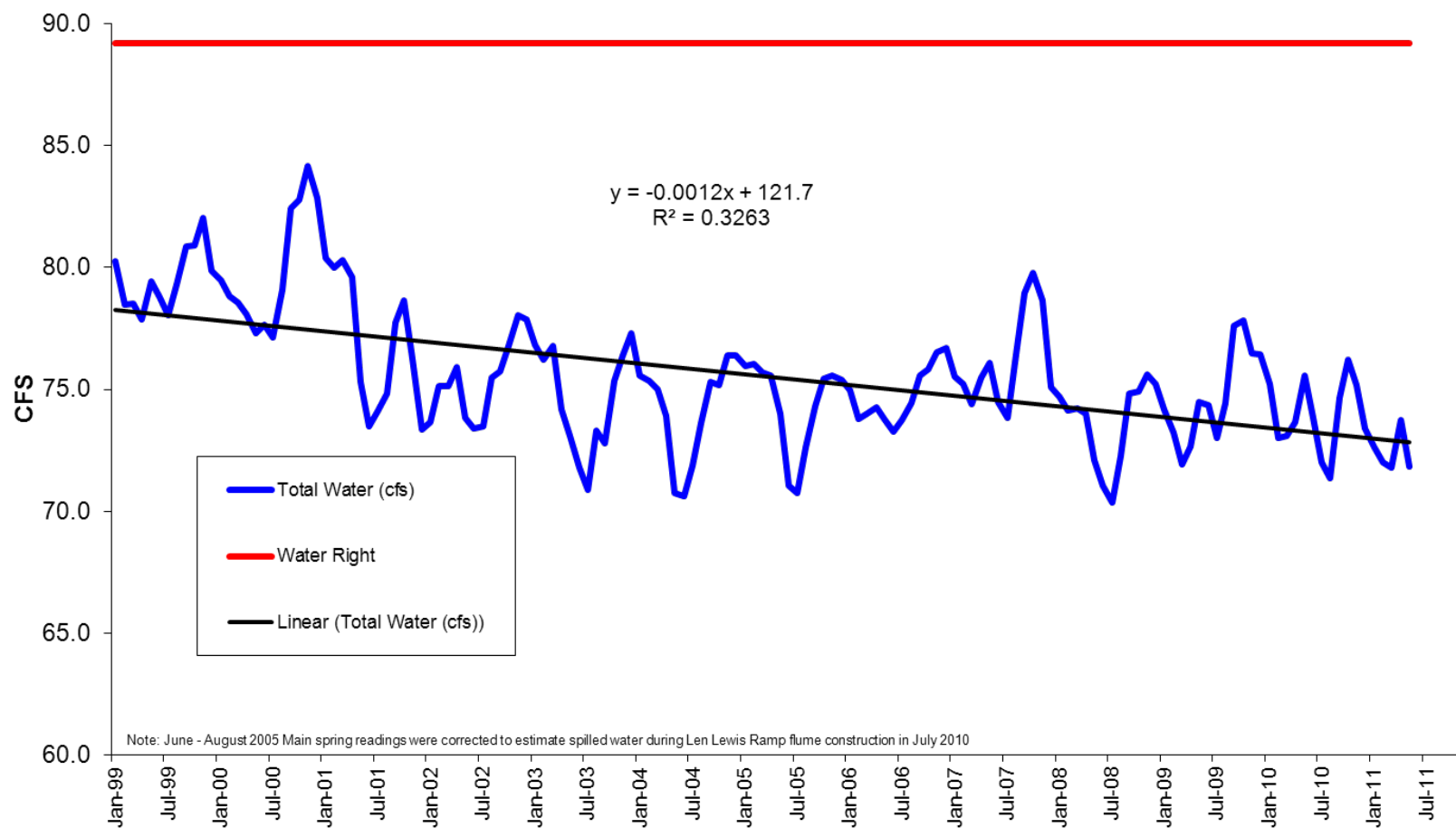


Figure 1. Average monthly spring flows tributary to Riley Creek, Hagerman.

Hagerman National Fish Hatchery

Table 1. Hatchery Production Summary as of September 30, 2011

Station: Hagerman National Fish Hatchery					PERIOD COVERED: Oct 1, 2010 THRU Sept 30, 2011					
Species/Strain & Lot Number	Fish on Hand:				To Date Totals:					
	Number	Weight	Length	D.I.	F.I.	Weight Gain	Feed	Feed	Conv.	Percent Survival
							Pounds	Costs		
SST-SAW-10-ID-131	0	0	0.00	0.00	0.00	285,381	305,148	\$181,608.12	1.07	93.58
SST-EFH-10-ID-132	0	0	0.00	0.00	0.00	36,423	38,973	\$24,694.81	1.07	92.08
SST-SAW-11-ID-134	1,219,665	23,920	3.76	0.11	0.17	23,600	23,582	\$17,721.37	1.00	97.36
SST-EFH-11-ID-135	197,466	3,390	3.59	0.04	0.13	3,336	3,333	\$2,562.14	1.00	97.44
RBT-T9-11-ID-133	39,681	16,397	9.60	0.32	0.38	22,902	23,850	\$13,503.50	1.04	89.56
Total/Averages	1,456,812	43,707	3.39	0.094	0.136	371,642	394,886	\$240,089.94	1.04	94.00

Hagerman National Fish Hatchery

Table 2. Eyed eggs received at Hagerman NFH during Fiscal Year 2011

Species	Stock	Lot No.	No. Eggs	% Survival to Hatch
Rainbow Trout	Hayspur T9 Triploid	RBT-T9-11-ID (Lot 133)	157,523	88.5%
			Total	157,523
Steelhead	Sawtooth ¹	SST-SAW-11-ID (Lot134)	1,279,480	97.6%
Steelhead	East Fork Hatchery ²	SST-EFH-11-ID (Lot 135)	215,183	97.9%
			Total	1,494,663

¹ Spawned and incubated at Sawtooth Fish Hatchery.

² Adults trapped at East Fork weir and eggs incubated at Sawtooth Fish Hatchery.

Hagerman National Fish Hatchery

Table 3. Steelhead Distribution During Fiscal Year 2011

Lot / Strain	Type of release	River/Site	Weight (lbs)	Number	#/lb	Length		Date(s)
						in	mm	
<u>131 SST-SAW-10-ID</u>								
Sawtooth	Direct	<u>Salmon River</u>	188,405	728,632	3.87	9.12	232	4/13/11 - 4/26/11
		Sawtooth Fish Hatchery Weir						
Sawtooth	Direct	Yankee Fork	120,740	434,338	3.60	9.34	237	5/06/11 - 5/17/11
<u>132 SST-EFH-10-ID</u>								
East Fork Hatchery	Direct	<u>East Fork Salmon River</u>	39,430	158,577	4.02	9.01	229	5/03/11 - 5/05/11
		East Fork Salmon River Weir						
Total			348,575	1,321,547				

Hagerman National Fish Hatchery

Table 4. Rainbow Trout Distribution During Fiscal Year 2011

Lot / Strain	Reservoir	Site	Weight (lbs)	Number	Length (in)	Date(s)
Lot 130 RBT-T9-10-ID	Arrowrock Reservoir	Boat Launch	5,575	15,631	9.12	10/04/10
Lot 130 RBT-T9-10-ID	Chesterfield Reservoir	Boat Launch	10,485	25,748	9.53	10/05/10- 10/07/10
Lot 133 RBT-T9-11-ID	Little Camas Reservoir	Boat Launch	6,540	85,226	5.50	6/01/11- 6/02/11
			Total	22,600	126,605	

Hagerman National Fish Hatchery

Table 5. Report of Station Personnel During Fiscal Year 2011

Part I - Permanent Personnel (FTE's: 7.21)				
Name of Employee	Functional Title	Grade	Period Worked	Remarks
Bryan Kenworthy	Project Leader Fish Biologist (Supervisory)	GS0482/13/07	10/01/2010 - 09/02/2011	Retired
Nathaniel J. Wiese	Fish Biologist (Supervisory)	GS0482/11/05	10/01/2010 - 03/14/2011	Transferred to Dworshak NFH
Brian P. Clifford	Motor Vehicle Operator	WG5703/08/05	10/01/2010 - 09/30/2011	
Adam Leija	Animal Caretaker	WG5048/05/02	10/01/2010 - 09/30/2011	
Stephen W. Money	Maintenance Mechanic	WG4749/10/05	10/01/2010 - 09/30/2011	
Anna M. Ray	Fisheries Program Assistant	GS0303/06/10	10/01/2010 - 09/30/2011	
Jeremy Trimpey	Fish Biologist	GS0482/09/03	10/01/2010 - 09/30/2011	03/13-07/09/11 = NTE 120 Day Acting Asst. Project Leader 11/1
Robert Turik	Fish Biologist (Supervisory)	GS0482/11/01	07/17/2011 - 09/30/2011	
Eric W. Willet	Motor Vehicle Operator	WG5703/06/05	10/01/2010 - 09/30/2011	
Part II - Temporary Personnel (FTE's: 0.41)				
Andy R. Eiman	Animal Caretaker	WG5048/02/02	01/19/2011 - 03/04/2011	Resigned-F/T job in Alaska
Andrew Varhley	Animal Caretaker	WG5048/02/01	03/21/2011 - 08/27/2011	
Wayne Hamilton	Animal Caretaker	WG5048/05/05	04/11/2011 - 05/06/2011	Dworshak NFH Detailee

Hagerman National Fish Hatchery

Table 6. Personnel Training during Fiscal Year 2011

Brian Clifford:

61st Annual Northwest Fish Culture Conference @ Portland, OR– December 7-9, 2010

1st Aid & CPR refresher / Respond First Aid Systems – January 27, 2011

Wildland Fire Chain Saw training S-212 (B Faller) / Devin Hulme, Sawtooth National Forest – March 29, 2011

Federal Information Systems Security Awareness & Privacy Records Mgmt / DOI Learn – 06/08/2011

Andy Eiman (TEMP):

2009 Federal Information Systems Security Awareness / DOI Learn – January 19, 2010

2009 Records Management Awareness / DOI Learn – January 19, 2010

2009 Orientation to the Privacy Act / DOI Learn – January 19, 2010

Sawtooth Fish Hatchery spawning detail – April 13, 2010

1st Aid & CPR refresher / Respond First Aid Systems – January 27, 2011

Early resignation – took F/T job in Alaska

Bryan Kenworthy:

Hiring Reform for Supervisors, Managers and HR Professionals – DOI Learn 11/05/2010

Approving Official Refresher Training – DOI Learn 01/07/2011

Federal Information Systems Security Awareness & Privacy Records Mgmt / DOI Learn – 04/20/2011

Computer Based Training Module: Powered Industrial Truck Pre-Course Study (Forklift) – 08/15/2011

Powered Industrial Truck Safety Training for Class 5 Forklift / NCTC via S.Money – 08/17/2011

Retired – September 2, 2011

Adam Leija:

Wage Grade Advisory Committee (presentation) @ Portland, OR 10/19-21/2010

1st Aid & CPR Refresher / Respond First Aid Systems – January 27, 2011

Wildland Fire Chain Saw training S-212 (B Faller) / Devin Hulme, Sawtooth National Forest – March 29, 2011

Sawtooth Fish Hatchery detail – March 26-27, 2011

Federal Information Systems Security Awareness & Privacy Records Mgmt / DOI Learn – 06/09/2011

Windmill Bliss Fire Detail (to keep Fire Crew Boss Cert. up (renews every 5yrs) / Twin Falls BLM (Fire #F9H9) 08/08-12/2011

Hagerman National Fish Hatchery

Table 6. Personnel Training during Fiscal Year 2011 (continued)

Stephen Money:

1st Aid & CPR Refresher / Respond First Aid Systems – January 27, 2011
Wildland Fire Chain Saw training S-212 (B Faller) / Devin Hulme, Sawtooth National Forest – March 29, 2011
Federal Information Systems Security Awareness & Privacy Records Mgmt / DOI Learn – 06/10/2011
2011 Discrimination and Whistleblowing in the Workplace (No FEAR Act) / DOI Learn – 09/15/2011

Anna M. Ray:

Hiring Reform for Supervisors, Managers and HR Professionals – DOI Learn 10/29/2010
1st Aid & CPR Refresher / Respond First Aid Systems – January 27, 2011
Federal Information Systems Security Awareness & Privacy Records Mgmt / DOI Learn – 04/14/2011
Ethics Skits – 2011 Ethics Videos / DOI Learn (1 hour) – July 6, 2011

Jeremy Trimpey:

1st Aid & CPR Refresher / Respond First Aid Systems – January 27, 2011
Federal Information Systems Security Awareness & Privacy Records Mgmt / DOI Learn – 03/25/2011

Robert Turik:

Introduction to Fish Health / USFWS Olympia, WA – June 21-25, 1993
Coldwater Fish Culture / USFWS Casper, WY – August 23 thru September 1, 1993
Federal Information Systems Security Awareness & Privacy Records Mgmt / DOI Learn – 07/18/2011
Cardholder – Travel Business Line / NBC website – 07/28/2011
Cardholder – Travel/Purchase Business Lines / NBC website – 07/28/2011
Cardholder – Travel/Purchase Business Line / NBC website - 07/28/2011
Cardholder – Convenience Check / NBC website – 07/28/2011
Cardholder – Approving Official – AO Training / NBC website – 07/28/2011
Computer Based Training Module: Powered Industrial Truck Pre-Course Study (Forklift) – 08/09/2011
Powered Industrial Truck Safety Training for Class 5 Forklift / NCTC via S.Money – 08/11/2011
The Legal Requirements of Providing Reasonable Accommodations / Webcast #1 – 08/20/2011
Demystifying CORE PLUS / Webcast #2 – 08/20/2011
Hiring Veterans and Persons with Disabilities / Webcast #3 – 08/20/2011
Best Interviewing Practices / Webcast #4 – 08/20/2011
2011 Discrimination and Whistleblowing in the Workplace (No FEAR Act) / DOI Learn – 09/11/2011

Hagerman National Fish Hatchery

Table 6. Personnel Training during Fiscal Year 2011 (continued)

Andrew Varhley (TEMP):

Sawtooth Fish Hatchery detail – March 27-28, 2011

Nathaniel Wiese:

Hiring Reform for Supervisors, Managers and HR Professionals – DOI Learn 10/20/2010

Approving Official Refresher Training – DOI Learn 01/10/2011

1st Aid & CPR Refresher / Respond First Aid Systems – January 27, 2011

Transferred to Dworshak NFH March, 2011

Eric Willet:

61st Annual Northwest Fish Culture Conference @ Portland, OR– December 7-9, 2010

1st Aid & CPR Refresher / Respond First Aid Systems – January 27, 2011

Wildland Fire Chain Saw training S-212 (B Faller) / Devin Hulme, Sawtooth National Forest – March 29, 2011

Federal Information Systems Security Awareness & Privacy Records Mgmt / DOI Learn – 06/10/2011

Hagerman National Fish Hatchery

Table 7a. Funding Fiscal Year 2011

			Comments
<u>14230-1936-0300:</u>			
Salaries, OT, Awards, Benefits		\$626,427	
Travel/Tuition		\$10,194	
Utilities		\$23,453	
Steelhead Fish Food + medicated fish food		\$235,913	
Distribution		\$35,648	
Production Expense		\$29,478	
Repairs & Maintenance		\$31,881	
Fuels & Oils		\$23,653	Includes distribution fuels
Office Admin/Misc. Services		\$13,942	
CSI Coop. Agreement		\$10,000	
Outreach / Volunteers		\$2,422	
<i>Sub-Total 1936-0300 O&M Expenses:</i>		<i>\$1,043,011</i>	
<i>Sub-Total 1936-0300 CIP (see Table 7b)</i>		<i>\$25,266</i>	
TOTAL 1936-0300 Funding:		\$1,068,277	OFT = \$1,060,523

(continued next page)

Hagerman National Fish Hatchery

Table 7a. Funding Fiscal Year 2011 (continued)

			Comments
<u>Other Funding Sources:</u>			
Dworshak Mitigation RBT 14230-4832-1019		\$37,500	
MVFH distribution contract 14230-1936-0021		\$125,359	10181-6-M231
Quarters Funding 14230-8610-0000 (see Table 7b)		\$17,702	\$13,450 Est. Carry Forward to FY2011
CPWN Grant: Busing 10102-1111-0000		\$900	Hagerman IDEA Agrmt. 14230-9-G087
SE Idaho Refuge Complex 14610-6264-A508		\$510	WUI Disc Fire Line
SE Idaho Refuge Complex 14610-6264-A508		\$323	Brush Chipper Filers cost sharing
TOTAL All Funding:		\$182,294	

Hagerman National Fish Hatchery

Table 7b. Capital Improvement Projects FY2011

			Comments
<u>14230-1936-0300:</u>			
*GEO Engineers – PA/SI Lemmons/Old Hatch#1 Demo Debris	\$2,160		F11PD00550
ACE Coatings – Old Hatch#1 Wall Abatement	\$7,200		F11PX01663
Freedom Electric – Chiller VFD Pump	\$15,906		F11PX01595
Sub-Total 1936-0300 CIP Expenses:	\$25,266		
<u>14230-8610-0000:</u>			
Quarter #6 Backyard fence	\$1,506		
Quarters 4, 5, 6, & 7 removable living room windows	\$2,386		
Quarters general repairs	\$5,001		
Sub-Total Quarter's CIP Expenses:	\$8,893		
<u>Other Funding Sources:</u>			
McMillen – Scope Raceway Railings	\$11,055		F11PD01205 (10190-1936-0311)
Knight Construction – Install Raceway Railings per OSHA	\$98,534		F11PD01845 (10190-1936-0311)
*GEO Engineers – PA/SI Lemmons Old Hatch#1 Demo Debris	\$0		F11PD00550 (10140-1311-0000)
*GEO Engineers – PA/SI Lemmons Old Hatch#1 Demo Debris	\$23,340		F11PD0550 (94120-1321-0000)
Sub-Total Other Funding CIP Expenses:	\$132,929		
TOTAL CIP Funding:	\$167,088		